

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/014150 A1

- (51) International Patent Classification⁷: **A23L 1/0526**, 1/308
- (21) International Application Number: PCT/EP2003/008636
- (22) International Filing Date: 5 August 2003 (05.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 200201865 6 August 2002 (06.08.2002) ES
- (71) Applicants (for all designated States except US): **INVESTIGACION Y NUTRICION, S.L.** [ES/ES]; Vicente Muzas, 8, E-28023 Madrid (ES). **NUTRINOVA NUTRITION SPECIALTIES & FOOD INGREDIENTS GMBH** [DE/DE]; Brüningstrasse 50, 65929 Frankfurt am Main (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **RUIZ-ROZO CALVO DE MORA, Baltazar** [ES/ES]; DNI: 5212088-N, C/Neptuno, 10, Majadahonda, E-28220 Madrid (ES). **REQUEJO, MARCOS, Ana, Maria** [ES/ES]; DNI: 1324533-D, Avda. Valdemarin, 62, E-28023 Madrid (ES). **PEREZ-OLLEROS CONDE, Lourdes** [ES/ES]; DNI: 917 2976-R, C/Bristol, 12, E-28028 Madrid (ES). **MARTIN-CASERO, Metodio** [ES/ES]; DNI: 50188476-S, C/Antonio Vicent, 82, E-28019 Madrid (ES). **HABER, Bernd** [DE/DE]; Steubenstrasse 6, 55126 Mainz (DE).
- (74) Agents: **ZOUNEK, Nikolai** et al.; Patentanwaltskanzlei Zounek, Industriepark Kalle-Albert, Rheingastrasse 190-196, 65203 Wiesbaden (DE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (48) Date of publication of this corrected version: 8 April 2004
- (15) Information about Correction: see PCT Gazette No. 15/2004 of 8 April 2004, Section II
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DENATURED CAROB FLOUR (DCF) WITH A LOW CONTENT OF SOLUBLE TANNINS AND SUGARS, MEANT FOR HUMAN CONSUMPTION AND PROCESS TO OBTAIN IT

(57) Abstract: The present invention provides an improved denatured carob flour, which comprises: 2-15% Sugars, 0.2-1.5% Cyclitols (pinitol), 2-10% Lignins, 10-30% Celluloses, 24. 3-20% Hemicelluloses, 1-6% Pectins, 25-55% Condensed tannins, 3-9% Protein and less than 8% Water. The Invention further provides a process to obtain a denatured carob flour, comprising the following steps: a. Cleaning the whole fruit; b. Crushing the carob fruits; to c. Separation of carob seeds and kibbled carob pulp; d. Toasting between 130-200°C . e. Extraction process; f. Separation: g. Milling: 90% of particles below 250 µm h. Separation: i. Drying: below 8%, j. Classification (sieving).

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